ELSEVIER

Applied Catalysis A: General 124k2 (1995) 431–433

APPLIED CATALYSIS A: GENERAL

Contents

APPLIED CATALYSIS A: GENERAL VOL. 124 NO. 1, 30 MARCH 1995

Articles

Vapor-phase Beckmann rearrangement over silica monolayers prepared by chemical vapor deposition [A2982]
N. Katada (Tottori, Japan), T. Tsubouchi (Nagoya, Japan), M. Niwa (Tottori, Japan) and Y. Murakami (Nagoya, Japan) 1

Mechanistic study of oxidative coupling of methane over Mn_2O_3–Na_2WO_4/SiO_2 catalyst [A2970]
J. Wu, S. Li, J. Niu and X. Fang (Lanzhou, People's Republic of China) 9

Preparation, characterization, and catalytic activities of silica-supported tantalum oxide for the vapor phase decomposition of methyl *tert*-butyl ether [A2987]
T. Ushikubo and K. Wada (Yokohama, Japan) 19

Hydrogenolysis of methylcyclopentane and isomerization of 2-methylpentane over well characterized silica-supported platinum–ruthenium catalysts [A2979]
G. Diaz (Mexico D.F., Mexico), F. Garin, G. Maire (Strasbourg, France), S. Alerasool and R.D. Gonzalez (Chicago, IL, USA) 33

Thermal-catalytic oxidation of waste gases [A2956]
A. Zieba, T. Banaszak and R. Miller (Wroclaw, Poland) 47

Characterization of modified ZSM-5 catalysts for propane aromatization prepared by a solid state reaction [A2968]
Z. Fu, D. Yin (Changsha, People's Republic of China), Y. Yang and X. Guo (Dalian, People's Republic of China) 59

Alkylation of aniline with methanol: change in selectivity with acido-basicity of faujasite catalysts [A2972]
B.L. Su and D. Barthomeuf (Paris, France) 73

Comparison of acid–base properties of FAU, EMT, LTL and MOR (Na forms) in benzene adsorption and alkylation of aniline with methanol [A2973]
B.L. Su and D. Barthomeuf (Paris, France) 81

Selective synthesis of C_3–C_4 hydrocarbons through carbon dioxide hydrogenation on hybrid catalysts composed of a methanol synthesis catalyst and SAPO [A2983]
J.-K. Jeon, K.-E. Jeong, Y.-K. Park and S.-K. Ihm (Taejon, South Korea) 91

Spectroscopic studies of LaHY-FAU catalyst deactivation in the alkylation of isobutane with 1-butene [A2993]
C. Flego, I. Kiricsi, W.O. Parker Jr. and M.G. Clerici (San Donato Milanese, Italy) 107

Investigation of the active state of supported palladium catalysts in the combustion of methane [A2977]
R. Burch and F.J. Urbano (Reading, Berkshire, UK) 121

Gas-phase oxygen oxidations of alkylaromatics over CVD Fe/Mo/borosilicate molecular sieve. V. *Para*-selective oxidations of methylaromatics [A2980]
J.S. Yoo, P.S. Lin and S.D. Elfline (Naperville, IL, USA) 139

0926-860X/95/$09.50 © 1995 Elsevier Science B.V. All rights reserved
SSDI 0926-860X(95)9999-Z

Enhancement of the catalytic properties of NiMo and CoMo alumina-supported sulfide catalysts by addition of ruthenium sulfide dispersed in Y zeolites [A2998]
V. Kougionas, M. Cattenot, J.L. Zotin, J.L. Portefaix and M. Breysse (Villeurbanne, France) 153

Erratum to: Kinetic modeling of the catalytic oxidation of *o*-xylene over an industrial V_2O_5–TiO_2 (anatase) catalyst (Appl. Catal. 120 (1994) 17–44) (APCATA2863) [A3026]
J.N. Papageorgiou, M.C. Abello and G.F. Froment (Ghent, Belgium) 165

Calendar of Forthcoming Events 167

Book Reviews 176

News Brief

EU COST Action N2

Current Projects in COST Chemistry Action D5 (Chemistry at Surfaces and Interfaces) N2

APPLIED CATALYSIS A: GENERAL VOL. 124 NO. 2, 13 APRIL 1995

Letter

Hydrogenation of 1,3-butadiene over catalysts prepared from amorphous $Pd_2Ni_{50}Nb_{48}$ ribbon: Effect of self-poisoning on competitive adsorption
A. Sárkány, Z. Schay, Gy. Stefler, L. Borkó, J.W. Hightower, L. Guczi L181

Articles

Isobutyric acid oxidative dehydrogenation over iron hydroxyphosphates. I. Catalytic properties and role of water [A2989]
D. Rouzies, J.M.M. Millet (Villeurbanne, France), D. Siew Hew Sam (Saint-Avold, France) and J.C. Védrine (Villeurbanne, France) 189

Isobutyric acid oxidative dehydrogenation over iron hydroxyphosphates. II. Tentative description of the catalytic sites based on Mössbauer spectroscopic study [A2990]
J.M.M. Millet, D. Rouzies and J.C. Védrine (Villeurbanne, France) 205

Oxidative dehydrogenation of ethylbenzene over V^{IV} and V^{V} magnesium vanadates [A2990]
W.S. Chang, Y.Z. Chen and B.L. Yang (Chung-Li, Taiwan, ROC) 221

Hydroconversion of alkenes over silica supported chromium(II) catalysts [A2978]
Z. Sarbak (Poznań, Poland) 245

Effect of preliminary heating on the activation of model iron catalyst for ammonia synthesis [A2991]
A. Pattek-Janczyk and B. Miczko (PL-30-060 Cracow, Poland) 253

Effect of preliminary heating on the activation of model iron catalyst for ammonia synthesis. Part II. Structural changes leading up to the nucleation process [A2996]
A. Pattek-Janczyk (PL-30-060 Cracow, Poland) 267

Oxidative dehydrogenation of ethane on supported vanadium-containing oxides [A2997]
R. Juárez López (Madrid, Spain), N.S. Godjayeva (Baku, Azerbaijan), V. Cortés Corberán, J.L.G. Fierro (Madrid, Spain) and E.A. Mamedov (Baku, Azerbaijan) 281

Catalytic dimerisation of acrylonitrile. I. Homogeneous catalysts from alkyl diarylphosphinites and dialkyl arylphosphonites [A3002]
J.R. Jennings (Durham, UK) and R.J. Cozens (Avon Lake, Ohio, USA) 297

Modification of the surface reactivity of vanadium antimonate catalysts during catalytic propane ammoxidation [A2985]
G. Centi and S. Perathoner (Bologna, Italy) 317

Stabilization of platinum on silica promoted with lanthanum oxide and zirconium oxide [A3005]
M. Deeba, R.J. Farrauto and Y.K. Lui (Iselin, NJ, USA) 339

H-[B]-ZSM-5 as catalyst for methanol reactions [A3001]
E. Unneberg and S. Kolboe (Oslo, Norway) 345

Relationships between physico-chemical properties and catalytic activity of polymer-supported palladium catalysts. Part I. Experimental investigations [A3022]
A. Biffis, B. Corain (Padova, Italy), Z. Cvengrosova, M. Hronec (Bratislava, Slovak Republic), K. Jerábek (Prague Suchdol, Czech Republic) and M. Králik (Bratislava, Slovak Republic) 355

Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b.f]azepine (iminodibenzyl) to 5H-dibenz[b.f]azepine (iminostilbene) over potassium-promoted iron oxides: effect of steam, potassium promotion and carbon dioxide treatment [A3013]
A. Knell (Zurich, Switzerland), D. Monti (Basel, Switzerland), M. Maciejewski and A. Baiker (Zurich, Switzerland) 367

Preparation of TS-1 by wetness impregnation of amorphous SiO_2–TiO_2 solids: influence of the synthesis variables [A3003]
M.A. Uguina, D.P. Serrano, G. Ovejero, R. Van Grieken and M. Camacho (Madrid, Spain) 391

Highly selective oxidation of aldonic acids to 2-keto-aldonic acids over Pt–Bi and Pt–Pb catalysts [A3024]
A. Abbadi and H. Van Bekkum (Delft, Netherlands) 409

Author Index 419

Subject Index 423

Contents Volume 124 431

News Brief

Creativity and Catalysis N16
A New Zeolite-based Benzene Alkylation Catalyst N18
Ag/4A Sieve to Trap Mercury from Natural Gas N19
Some Recent Publications on Catalysis from Former Soviet-Block Countries N20
Focus on Catalysis N21
List of French Laboratories of Catalysis N22
Fifth European Workshop Meeting on Selective Oxidation by Heterogeneous Catalysis N22

Contents (continued)

Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b.f]azepine (iminodibenzyl) to 5H-dibenz[b.f]azepine (iminostilbene) over potassium-promoted iron oxides: effect of steam, potassium promotion and carbon dioxide treatment [A3003]
A. Knell (Zurich, Switzerland), D. Monti (Basel, Switzerland), M. Maciejewski and A. Baiker (Zurich, Switzerland) 367

Preparation of TS-1 by wetness impregnation of amorphous SiO_2–TiO_2 solids: influence of the synthesis variables [A3024]
M.A. Uguina, D.P. Serrano, G. Ovejero, R. Van Grieken and M. Camacho (Madrid, Spain) 391

Highly selective oxidation of aldonic acids to 2-keto-aldonic acids over Pt–Bi and Pt–Pb catalysts [A3010]
A. Abbadi and H. Van Bekkum (Delft, Netherlands) 409

Author Index 419

Subject Index 423

Contents Volume 124 431

News Brief

Creativity and Catalysis N14
A New Zeolite-based Benzene Alkylation Catalyst N16
Ag/4A Sieve to Trap Mercury from Natural Gas N17
Some Recent Publications on Catalysis from Former Soviet-Block Countries N18
Focus on Catalysis N20
List of French Laboratories of Catalysis N20
Fifth European Workshop Meeting on Selective Oxidation by Heterogeneous Catalysis N20

.. 367
.. 391
. 409
. 419
. 423
. 431
. N14
. N16
. N17
. N18
. N20
. N20
. N20